

SEVERE LOCAL STORMS, AUGUST 1934

[Compiled by Mary O. Souder]

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

| Place | Date | Time | Width of path (yards) | Loss of life | Value of property destroyed | Character of storm | Remarks | Authority |
|---|------|------------------------|-----------------------|--------------|-----------------------------|-------------------------------|---|---------------------------------|
| Broken Bow, Nebr..... | 1 | 7:20 p. m. | 15 | | \$5,000 | Wind and hail | No details..... | Official, U. S. Weather Bureau. |
| Merrill, Wis., vicinity of..... | 1 | | | | 25,000 | Heavy hail..... | Considerable damage to growing crops, especially grain; property loss, \$25,000. | Do. |
| Brown, Kewaunee, and Manitowoc Counties, Wis. | 2 | 9 a. m. | | | 25,000 |do..... | Hailstones as large as golf balls in vicinity of Green Bay and West de Pere; windows broken; glass in greenhouses smashed; automobile tops punctured; roofs damaged; crop loss not estimated. | Do. |
| Cleveland, Ohio..... | 2 | 10:02 a. m.-7:10 p. m. | | 2 | | Thundersquall | Many trees uprooted; wires and cables blown down; 2 persons drowned while fishing; 3 others missing. | Do. |
| Orangeburg County, S. O..... | 2 | 2 p. m. | 1,320 | | 1,500 | Hail..... | Crop loss, \$1,000; damage to buildings and pecan groves, \$500. | Do. |
| Flint and southeastern Michigan. | 2 | 4 p. m. | | 11 | 2,000,000 | Wind, rain, and hail. | Flint section hardest hit; 15 minutes after storm began cars were stalled without power and automobiles were disabled; factories were idle and dark; communication impossible for hours; path 100 miles long. | Do. |
| Madonna, Md..... | 2 | 6 p. m. | 100 | | | Tornado..... | Dwelling and outbuildings wrecked; 10 acres of corn badly damaged; path 1½ miles long. | Do. |
| Toledo, Ohio, and vicinity..... | 2 | 6:10-6:16 p. m. | | | | Thunderstorm and hail. | Damage mostly to growing crops; amount not estimated. | Do. |
| Hickory Point, Md..... | 2 | 10 a. m. | 17 | | | Waterspout and tornado. | 8 persons injured and 10 houses wrecked along the water front; at least 20 small boats were sunk or blown ashore, some rowboats and canoes being lifted 50 feet in the air and wrecked against trees; trees uprooted. | Do. |
| Dunkirk, N. Y. south of..... | 2 | | | | 2,500 | Electrical..... | 2 barns burned after being struck by lightning..... | Do. |
| Hamburg, N. Y..... | 2 | | | | 3,000 |do..... | Barn and 2 sheds struck by lightning and burned. | Do. |
| Astoria, Ill..... | 2 | | | | 15,000 | Wind..... | Property damaged; path 2 miles long..... | Do. |
| Danville, Ill..... | 2 | | | | |do..... | Trees blown down; electric service interrupted..... | Do. |
| Litchfield, Ill..... | 2 | | 1-3 | | 63,000 | Wind and hail..... | Property damage, \$60,000; crop loss, \$3,000..... | Do. |
| Rosamond, Ill..... | 2 | | 1 | | 5,000 | Wind..... | \$5,000 property damage; considerable loss to corn crop; path 5 miles long. | Do. |
| Royal, Ill..... | 2 | | | | 1,000 | Hail..... | Property damage \$1,000; considerable loss in corn crop; path 8 miles long. | Do. |
| Sangamon County, Ill., southeast portion. | 2 | | | | 16,700 | Wind..... | Property damage..... | Do. |
| Tallula, Ill., and vicinity..... | 2 | | | | 10,000 |do..... | Property loss \$10,000; extensive damage to corn; path 20 miles long. | Do. |
| Thayer (near), Ill..... | 2 | | | | 600 | Hail..... | Loss to crops; path 1½ miles long..... | Do. |
| Vermilion County, Ill., central portion. | 2 | | 14 | | 4,000 | Wind..... | Property damaged over a path 15 miles long..... | Do. |
| Waverly (near), Ill..... | 2 | | | | | Hail..... | Considerable loss to crops and property; path 15 miles long. | Do. |
| St. Joseph County, Ind..... | 2 | | | 1 | 7,000 | Wind..... | Damage mostly to buildings; loss to crops; woman drowned in Juno Lake when her boat was upset by the storm. | Do. |
| St. Joseph County, Ind..... | 2 | | 12 | | 50,000 | Severe hail..... | This storm occurred about one-half hour after the storm mentioned above. Hail fell to a depth of 2 to 3 inches and destroyed 75 to 90 percent of crops; roofs of buildings damaged; path 12 miles long. | Do. |
| Versailles, Mo..... | 2 | | | | | Wind..... | Silos, barns, trees, and telephone poles blown down; porches torn from several houses; damage not estimated. | Do. |
| Lindale, Md..... | 3 | 12:30 a. m. | | | 3,000 | Tornado..... | Dwelling with contents and outbuildings demolished; silo blown down; family of 4 injured; much corn and other crops leveled. | Do. |
| Coffeyville to Cherryvale and Dennis, Kans. | 3 | 6-7 p. m. | 12 | | | Wind, electrical..... | Old Mill Building demolished with damage of \$8,000; hundreds of telephone and power line poles blown down; amount of damage not estimated; house and barn near Mound Valley struck by lightning and burned. | Do. |
| Choteau, Agawam, and Farmington, Mont. | 3 | 7 p. m. | 14-3 | | 100,000 | Hail..... | No details..... | Do. |
| Anderson, S. C..... | 4 | 6:30 p. m. | 12 | | 10,000 | Thunderstorm..... | Property damage \$9,000; crop loss \$1,000..... | Do. |
| Macon and Thomaston, Ga..... | 4 | | | 2 | | Electrical..... | In Thomaston, 15 miles west of Macon, woman was killed about 3 p. m. while hoeing in a flower garden; in Macon man killed by lightning preceding a severe thunderstorm at 5:30 p. m. | Do. |
| Hopkins, Mo., west of..... | 4 | | 12 | | | Heavy hail..... | Foliage of trees, shrubs and corn cut off and shingle roofs badly damaged; path 10 miles long; loss not estimated. | Do. |
| Atlanta, Ga..... | 4-5 | | | | | Thunderstorm and hail. | 6 homes struck by lightning..... | Do. |
| Hennepin County, Minn..... | 8 | 5 p. m. | | | | Thundersquall and heavy rain. | Trees uprooted; overhead wire systems disrupted; buildings unroofed or otherwise damaged; small damage from lightning. | Do. |
| Putnam County, Tenn..... | 8 | 5:45 p. m. | | | | Wind and hail..... | Trees down; windows broken; gardens and growing fields damaged. | Do. |
| Pittsburgh, Pa..... | 9 | A. m. | | | 150,000 | Electrical, heavy rain. | Large mattress factory destroyed; much damage from flooding. | Do. |
| Butler, Pa..... | 9 | 2:30-8 a. m. | | | 25,000 | Heavy rain..... | Damage from flooding; interruption of transit and communication facilities. | Do. |
| Belcher-Hosston, La..... | 9 | 1-2 p. m. | 10 | | 9,300 | Thundersquall | Small houses blown down; property damage \$3,300; loss to crops \$5,000, and to timber \$1,000; minor damage to wires; path 10 miles long. | Do. |
| Morrison and Starbuck, Colo., and vicinity. | 9 | 2 p. m. | 16 | 6 | | Heavy rain and hail. | A wall of water which swept Bear Creek Canyon as a result of heavy rain in O'Brien and Sawmill Gulches, damaged bridges and highways and caused the death of 6 persons; amount of damage not estimated; hail damage negligible. | Do. |

1 Miles instead of yards,

SEVERE LOCAL STORMS, AUGUST 1934—Continued

| Place | Date | Time | Width of path (yards) | Loss of life | Value of property destroyed | Character of storm | Remarks | Authority |
|--|-------|-------------------|-----------------------|--------------|-----------------------------|----------------------------------|---|---------------------------------|
| Timberville and Broadway, Va., and vicinity. | 9 | 3-5 p. m. | 1 1/2-2 | | 260,000 | Hail | Affected district grows fruit extensively; \$250,000 loss to crops, mostly apples and peaches; property damage \$10,000. | Official, U. S. Weather Bureau. |
| Ashdown, Ark. | 9 | | | | 10,000 | Wind | 2 persons injured; property damaged. | Do. |
| Glenwood, Ark., and vicinity. | 9 | | | | 10,000 | do | Houses unroofed; windows broken. | Do. |
| Highland County, Ohio. | 9-10 | | | | 12,500 | Wind and heavy hail. | Damage to crops, buildings, trees, land, etc.; total damage over the State during this period \$100,000. | Do. |
| Merriman, Kans., and vicinity. | 11 | 5:30 p. m. | | | | Tornado | On the Van estate chicken house demolished; one side of barn was carried away and the structure moved on its foundation; 50 cherry trees uprooted; on Mission Hill Acres several small buildings damaged; shed demolished and lawn furniture destroyed. | Do. |
| Bancroft, Kans., and vicinity. | 11 | P. m. | | | | Wind, rain, and hail. | Several barns blown down or wrecked; concrete bridge south of Bancroft washed out by flood waters; several inches of rain fell in short time; parts of corrugated iron roof of barn demolished by wind and scattered for nearly a mile; much damage to young orchard; large barn and contents struck by lightning and burned. | Do. |
| Dodge City, Kans. | 11 | do. | | | | Electrical | Man injured by lightning while driving his car. | Do. |
| Jacksonville, Ill. | 11 | | | | 5,000 | Wind | Property damaged. | Do. |
| Olney, Ill. | 11 | | | | 900 | Electrical | Barn burned. | Do. |
| Hamburg and Dunkirk, N. Y. | 11 | | | | 5,500 | Thunderstorm | In Hamburg, barn and 2 sheds struck by lightning and burned; 2 barns south of Dunkirk burned; ferryboat on Lake Chautauqua grounded. | Do. |
| Boelus, Nebr. | 12 | 5-6 p. m. | 1 1/4 | | 10,000 | Hail | Large hailstones; no details. | Do. |
| Springbranch, Nebr. | 12 | 6:45 p. m. | 1 1/2 | | 10,000 | Hail | Hailstones from the size of marbles to hen eggs. | Do. |
| St. Louis and Callaway Counties, Mo. | 12 | | | | 5,000 | Wind | Property damaged; trees broken. | Do. |
| Nemaha, Jackson, Atchison, and Jefferson Counties, Kans. | 12-13 | 11 p. m.-1 a. m. | 1 1/2 | | 30,000 | Wind and hail | Many barns, silos and small buildings blown down; fruit trees damaged; hail 6 inches deep in Jackson County; path 25 miles long. | Do. |
| Arcadia, Nebr. | 13 | 7-8 p. m. | 1 1/2 | | 4,000 | Hail | No details. | Do. |
| Buffalo, N. Y. | 13 | | | | 2,500 | Thunderstorm | House struck by lightning and burned. | Do. |
| Athboy, S. Dak. | 13 | | | | | Tornado | Small damage reported. | Do. |
| Sutherland, Nebr. | 16 | 8:35-9 p. m. | 433 | | 20,000 | do | 1 person injured; considerable property damaged; trees uprooted; basements flooded. | Do. |
| Akron (near), Colo. | 16 | P. m. | 1 1/2 | | 8,000 | Wind | House and barn damaged. | Do. |
| Milbank, S. Dak. | 16 | | | | 35,000 | Electrical | Dakota Granite Works with all equipment and 4 carloads of finished products destroyed with loss of \$30,000; barn struck by lightning and burned. | Do. |
| Hazen (near), Ark. | 17 | | | | 500 | Heavy rain | Loss to rice crop. | Do. |
| St. Croix County, Wis. | 18 | 6 a. m. | 1 1/2 | | 30,000 | Thundersquall | Barns, silos and buildings demolished or damaged; trees uprooted; path 15 miles long. | Do. |
| Minnesota, almost entire State. | 18 | 2:30-8:30 p. m. | | 3 | 1,271,000 | Thundersquall and hail. | 3 persons injured; damage from wind \$100,000 to crops and \$611,000 to property; hailstones remained on the ground for 24 hours causing damage of \$560,000; poultry, small stock and wild game perished. This storm one of the most severe in this State. | Do. |
| Minnesota to west-central counties northeastward in Wisconsin. | 18 | 7:30-9 p. m. | | 1 | 700,000 | Tornadic winds | Loss heavy in Pepin, Buffalo, Trempealeau, and La Crosse Counties in the west-central portion of the State and in Marathon, Langlade, and Shawano in the northeastern; \$200,000 damage in city of Wausau alone; man killed when the wind overturned his wagon. | Do. |
| South Dakota, entire State. | 18 | 8-10 p. m. | | | | Dust storm | High winds caused severe dust storm with greatly reduced visibility; practically all cooperative observers commented on this storm. | Do. |
| Akron, Colo., south of. | 18 | P. m. | | | | Tornado | Roof and walls of 3 rooms of farmhouse carried away, occupants uninjured; barn destroyed, automobile inside slightly damaged; 3 small buildings blown away and no trace of them found. | Do. |
| Platte City and Weston, Mo., and vicinity. | 18 | | 880 | | 37,000 | Wind | In Platte City 25 barns and other farm buildings destroyed; in Weston property loss \$35,000 and damage to an orchard \$2,000; 2 persons injured. | Do. |
| Westcliffe, Colo. | 19 | P. m. | | | 12,000 | Electrical and hail | 7 horses killed by lightning; considerable loss to crops. | Do. |
| Aberdeen (near), Miss. | 19-20 | do. | | | | Electrical | Barn containing 80 tons of hay burned after being struck by lightning. | Do. |
| Rifle, Colo. | 20 | do. | | | 500 | Flood | Flood in Rifle Creek caused loss to crops and property damage. | Do. |
| Ford (near), Kans. | 20 | | | | | Wind and rain | Large barn demolished. | Do. |
| Jeannette, Pa. | 21 | P. m. | | 1 | | Flood | Heavy rain resulted in the death of a man when his automobile was carried off a narrow bridge by a wall of water. | Do. |
| Memphis, Tenn., eastern section. | 22 | do. | | | 6,000 | Rain | Water several feet deep in streets; basements flooded; cars stalled. | Do. |
| Scott City, Kans., south of. | 22 | | 1 1/2 | | 2,500 | Wind | Large barn and smaller buildings blown down; oil rig damaged; path 10 miles long. | Do. |
| Manitou, Okla. | 22 | | 1 1/2 | | 5,000 | Hail | Damage to growing crops; path 5 miles long. | Do. |
| Memphis, Tenn. | 22 | | | 2 | | Electrical | Man and boy killed when a lightning bolt struck a tree; no property damage. | Do. |
| Chattanooga, Tenn. | 23 | P. m. | | | | do | Lightning struck a street car on Main Street; none of 13 passengers injured, fire department extinguished the blaze; man standing near window in his home injured by lightning. | Do. |
| San Francisco, Calif. | 25 | 4:15 - 5:30 p. m. | | | | Thunderstorm and excessive rain. | 2.12 inches of rain fell; basements in business section flooded; cars stranded; telephone and electric service interrupted; amount of damage not estimated. | Do. |
| Globe-Miami, Ariz. | 26 | | | | | Thunderstorm | Chimney of house struck by lightning; man shocked while working on his radio aerial. | Do. |
| | 27 | | | 2 | 20,000 | Electrical, rain and flood. | Stores and homes damaged; woman drowned when the car in which she was riding became stalled in flood waters; lightning killed a man at Flagstaff and set fire to a building. | Do. |

† Miles instead of yards.

SEVERE LOCAL STORMS, AUGUST 1934—Continued

| Place | Date | Time | Width of path (yards) | Loss of life | Value of property destroyed | Character of storm | Remarks | Authority |
|---------------------------|------|--------------|-----------------------------|-----------------|-----------------------------------|--------------------|---|---------------------------------|
| Salt Lake City, Utah..... | 29 | | | | 2,000 | Electrical..... | 6 houses in widely separated parts of the city struck by lightning. | Official, U. S. Weather Bureau. |
| Creston-Howell, Nebr..... | 30 | 3-4 p. m. | | | 50,000 | Hail..... | Hailstones large; property damaged..... | Do. |
| Valentine, Nebr..... | 30 | 3:30 p. m. | 1 | | 15,000 | do..... | Hail to depth of 3 inches remained unmelted on the ground in spots for 24 hours; gardens totally destroyed; poultry killed; wild birds killed or crippled; most severe hailstorm of record in this community. | Do. |
| Fremont, Nebr..... | 30 | 4:30-5 p. m. | 1 5 | | 4,000 | Wind..... | 2 persons injured; no details..... | Do. |
| Grafton, Nebr..... | 30 | 4:50 p. m. | 1 10 | | 10,000 | do..... | No details..... | Do. |
| Trego County, Kans..... | 30 | 6 p. m. | 300 | | 5,200 | Tornado and hail. | Damage to barns and small buildings; 2 persons injured; path 8 miles long. | Do. |

SEVERE LOCAL STORMS, JULY 1934 (SUPPLEMENTARY TABLE)

| | | | | | | | | |
|---|----|---------|----|--|-------|-----------------|---|-----|
| Cumberland (near), Md..... | 7 | 4 p. m. | | | 8,000 | Electrical..... | Barn and contents struck by lightning and burned. | Do. |
| Kitzmiller, Deer Park, Accident, and Swallow Falls, Md. | 22 | 7 p. m. | 20 | | | Heavy hail..... | Considerable damage reported; chickens killed, roofs damaged, and windows broken. | Do. |

¹ Miles instead of yards.

